

State of New Hampshire
Division of Plant and Property Management
Bureau of Purchase and Property
25 Capitol Street, State House Annex
Concord, New Hampshire 03301-6398

Date: 6/7/2004

Bid No.: 444

Date of Bid Opening: 6/21/2004

Time of Bid Opening: 2.00

PLEASE DIRECT ANY QUESTIONS REGARDING THIS BID TO: ALAN HOFMANN, PURCHASING AGENT/kc
TEL. NO: (603) 271-2550 - FAX No. (603) 271-2700

BID INVITATION FOR: UTILITY TRUCK BODY AND CRANE (INSTALLED)

Unless specifically amended or deleted by the Division of Plant and Property Management, the following General Terms and Conditions apply to this Bid and any resulting Purchase Order or Contract.

GENERAL CONDITIONS AND INSTRUCTIONS:

NATURE OF, AND ELIGIBILITY TO RESPOND. This bid invitation is submitted in accordance with Chapter 21-1, and rules promulgated thereunder, and constitutes a firm and binding offer. A bid may not be withdrawn unless permission is obtained from the Bureau of Purchase and Property.

Bids may be issued only by the Bureau of Purchase and Property and are not transferable.

SAMPLES AND DEMONSTRATIONS. When samples are required they must be submitted free of costs and will not be returned.

Items left for demonstration or evaluation purposes shall be delivered and installed free of charge and shall be removed at no cost to the State. Demonstration units shall not be offered to the State as new equipment.

Bids. Bids must be received at the Bureau of Purchase and Property before the date and time specified for the opening. Bids must be submitted on this bid form or exact copies and must be typed or clearly printed in ink. Corrections must be initialed. Bids are to be made less Federal Excise Tax and no charge for handling unless required by law.

Bids will be made available to the public after the time of award. Bid results will be given by mail only if requested in writing and accompanied by a self-addressed, stamped business size envelope.

SPECIFICATIONS. Vendors must submit on items as specified. Proposed changes must be submitted in writing and received at the Bureau of Purchase and Property at least five (5) working days prior to the bid opening. Vendors shall be notified in writing if any changes to the specifications are made.

AWARD. The award will be made to the responsible Vendor submitting a conforming RFB meeting specifications at the lowest cost unless other criteria are noted in the RFB. Unless otherwise noted, the award may be made by individual items.

If there is a discrepancy between the unit price and the extension, the unit price will prevail.

When identical low bids are received the award will be made in accordance with the Administrative Rules.

Discounts will not be considered in making award but may be offered on the Invoice for earlier payment and will be applicable on the date of completion of delivery or receipt of Invoice, whichever is later. On orders specifying split deliveries, discounts will apply on the basis of each delivery or receipt of Invoice, whichever is later.

PATENT INFRINGEMENT. Any responding vendor who has reason to believe that any other responding vendor will violate a patent should such responding vendor be awarded the contract shall set forth in writing, prior to the date and time of opening, the grounds for his belief and a detailed description of the patent.

ASSIGNMENT PROVISION. The responding vendor hereby agrees to assign all causes of action that it may acquire under the antitrust laws of New Hampshire and the United States as the result of conspiracies, combinations, or contracts in restraint of trade which materially affect the price of goods or services obtained by the state under this contract if so requested by the State of New Hampshire.

FEDERAL FUNDS. This Division of Plant and Property Management, under RSA 21-1:14, VIII shall assure the continuation or granting of federal funds or other assistance not otherwise provided for by law by following the Federal Procurement Standards.

STATE'S OPTIONS: The Bureau of Purchase and Property reserves the right to reject or accept all or any part of any bid, to determine what constitutes a conforming bid, to award the bid solely as it deems to be in the best interest of the State, and to waive irregularities that it considers not material to the bid.

PUBLIC INFORMATION: The responding vendor hereby acknowledges that all information relating to this bid and any resulting order (including but not limited to fees, contracts, agreements and prices) are subject to these laws of the State of New Hampshire regarding public information.

PERSONAL LIABILITY: The responding vendor agrees that in the preparation of this bid or the execution of any resulting contract or order, representatives of the State of New Hampshire shall incur no liability of any kind.

PROOF OF COMPLIANCE. The responding vendor may be required to supply proof of compliance with proposal specifications. When requested, the responding vendor must immediately supply the Bureau of Purchase and Property with certified test results or certificates of compliance. Where none are available, the State may require independent laboratory testing. All costs for such testing, certified test results or certificate of compliance shall be the responsibility of the responding vendor.

FORM OF CONTRACT. The terms and conditions set forth in any additional Terms and Conditions by the Bureau of Purchase and Property are part of the bid and will apply to any contract awarded the responding vendor unless specific exceptions are taken and accepted and will prevail over any contrary provisions in Terms and Conditions submitted by the responding vendor.

OFFER. The undersigned hereby offers to sell to the State of New Hampshire the commodities or services indicated in the following page(s) of this Bid at the price(s) quoted in complete accordance with all conditions of this Bid.

**Company
Name:** _____

Address: _____

Tel.:(local) _____ **(Toll free)** _____

Fax#: _____ **(EMAIL)** _____

**Authorized
Signature:** _____

(TYPE OR PRINT NAME)

This document must be signed by a person who is authorized to legally obligate the responding vendor. A signature on this document indicates that all State of New Hampshire terms and conditions are accepted by the responding vendor and that any and all other terms and conditions submitted by the responding vendor are null and void, even if such terms and conditions have terminology to the contrary. The responding vendor shall also be subject to State of New Hampshire terms and conditions as stated on the reverse of the purchase order.

CONTRACT TERMS AND CONDITIONS

1. The State of New Hampshire, acting through the Division of Plant and Property Management, engages the firm or individual ("the Vendor") to perform the services and/or sale of goods, described in the attached State documents, if any, and the Vendor's bid or quotation, both of which are incorporated herein by reference.

2. COMPLIANCE BY VENDOR WITH LAWS AND REGULATIONS. In connection with the performance of this agreement, the Vendor shall comply with all statutes, laws, regulations, and orders of federal, state, county or municipal authorities which shall impose any obligation or duty upon the Vendor, including, but not limited to civil rights and equal opportunity laws.

3. TERM. The contract, and all obligations of the parties thereunder, shall become effective on a specified date and shall be completed in their entirety prior to a specified date. Any work undertaken by the Vendor prior to the effective date shall be at his sole risk and, in the event that the contract shall not become effective, the State shall be under no obligation to reimburse the Vendor for any such work.

4. CONTRACT PRICE. The contract price, a payment schedule and a maximum limitation of price shall be as specified by the bid invitation and the Vendor's bid. All payments shall be conditioned upon receipt, and approval by the State, of appropriate vouchers and upon satisfactory performance by the Vendor, as determined by the State. The payment by the State of the Contract Price shall constitute complete reimbursement to the Vendor for all expenses of any nature incurred by the Vendor in the performance by the Vendor and complete payment for the Services. The State shall have no other liability to the Vendor.

5. DELIVERY. If the vendor fails to furnish items and/or services in accordance with all requirements, including delivery, the state may re-purchase similar items from any other source without competitive bidding, and the original vendor may be liable to the state for any excess costs.

If a vendor is unable to complete delivery by the date specified, he must contact the using agency. However, the agency is not required to accept a delay to the original delivery date. All deliveries are subject to inspection and receiving procedure rules as established by the State of New Hampshire. Deliveries are not considered accepted until compliance with these rules has been established. State personnel signatures on shipping documents shall signify only the receipt of shipments. All deliveries shall be FOB Destination.

6. INVOICING. All invoices must be in triplicate showing Order Number, Unit and Extension Prices and discounts allowed. A separate invoice shall be submitted for each order. Unless otherwise noted on the invitation to bid or purchase order, payment will not be due until thirty (30) days after all services have been completed, or all items have been delivered, inspected and accepted or the invoice has been received at the agency business office, whichever is later.

7. PERSONNEL.

7.1. The Vendor shall disclose in writing the names of all owners (5% or more), directors, officers, employees, agents or subcontractors who are also officials or employees of the State of New Hampshire. Any change in this information shall be reported in writing within fifteen (15) days of their occurrence.

7.2. The person signing this agreement on behalf of the State, or his or her delegee ("Contracting Officer") shall be the State's representative for purposes of this agreement. In the event of any dispute concerning the interpretation of this agreement, the Contracting Officer's decision shall be final.

8. EVENT OF DEFAULT; REMEDIES.

8.1. Any one or more of the following acts or omissions of the Vendor shall constitute an event of default hereunder ("Events of Default"):

8.1.1. failure to deliver the goods or services satisfactorily or on schedule; or

8.1.2. failure to submit any report required hereunder; or

8.1.3. failure to perform any of the other covenants and conditions of this agreement.

8.2. Upon the occurrence of any Event of Default, the State may take any one, or more, or all, of the following actions:

8.2.1. give the Vendor a written notice specifying the Event of Default and requiring it to be remedied within, in the absence of a greater or lesser specification of time, thirty (30) days from the date of the notice; and if the Event of Default is not timely remedied, terminate this agreement, effective two (2) days after giving the Vendor notice of termination; and

8.2.2. give the Vendor a written notice specifying the Event of Default and suspending all payments to be made under this agreement and ordering that the portion of the Contract Price, which would otherwise accrue to the Vendor during the period from the date of such notice until such time as the State determines that the Vendor has cured the Event of Default, shall never be paid to the Vendor; and

8.2.3. set off against any other obligation the State may owe to the Vendor any damages the State suffers by reason of any Event of Default; and

8.2.4. treat the agreement as breached and pursue any of its remedies at law or in equity, or both.

9. WAIVER OF BREACH. No failure by the State to enforce any provisions hereof after any Event of Default shall be deemed a waiver of its rights with regard to that Event, or any subsequent Event. No express failure of any Event of Default shall be deemed a waiver of any provision hereof. No such failure or waiver shall be deemed a waiver of the right of the State to enforce each and all of the provisions hereof upon any further or other default on the part of the Vendor.

10. VENDOR'S RELATION TO THE STATE. In the performance of this agreement the Vendor is in all respects an independent contractor, and is neither an agent nor an employee of the State. Neither the Vendor nor any of its officers, employees, agents or members shall have authority to bind the State nor are they entitled to any of the benefits, workmen's compensation or emoluments provided by the State to its employees.

11. ASSIGNMENT AND SUBCONTRACTS. The Vendor shall not assign, or otherwise transfer any interest in this agreement without the prior written consent of the State. No work required by this contract shall be subcontracted without the prior written consent of the State.

12. INDEMNIFICATION. The contractor shall defend, indemnify and hold harmless the State, its officers and employees, from and against any and all losses suffered by the State, its officers and employees, and any and all claims, liabilities or penalties asserted against the State, its officers and employees, by or on behalf of any person, on account of, based on, resulting from, arising out of (or which may be claimed to arise out of) the acts or omissions of the Vendor. Notwithstanding the foregoing, nothing herein contained shall be deemed to constitute a waiver of the sovereign immunity of the State, which immunity is hereby reserved to the State. This covenant shall survive the termination of this agreement.

12.1 PATENT PROTECTION. The seller agrees to indemnify and defend the State of New Hampshire from all claims and losses resulting from alleged and actual patent infringements and further agrees to hold the State of New Hampshire harmless from any liability arising under RSA 382-A:2-312(3). (Uniform Commercial Code).

13. TOXIC SUBSTANCES. In compliance with RSA 277-A known as the Workers Right to Know Act, the vendor shall provide Material Safety Data Sheets with the delivery of any and all products covered by said law.

14. NOTICE. Any notice by a party hereto to the other party shall be deemed to have been duly delivered or given at the time of mailing by certified mail, postage prepaid, in a United States Post Office addressed to the parties at the addresses given below.

15. AMENDMENT. This agreement may be amended, waived or discharged only by an instrument in writing signed by the parties hereto.

16. CONSTRUCTION OF AGREEMENT AND TERMS. This agreement shall be construed in accordance with the laws of the State of New Hampshire, and is binding upon and inures to the benefit of the parties and their respective successors and assigns.

17. ADDITIONAL PROVISIONS. The additional provisions (if any) have been set forth as Exhibit "A" hereto.

18. ENTIRE AGREEMENT. This agreement, which may be executed in a number of counterparts, each of which shall be deemed an original, constitutes the entire agreement and understanding between the parties, and supersedes all prior agreements and understandings relating hereto.

BID INVITATION FOR: UTILITY TRUCK BODY AND CRANE (INSTALLED)

PURPOSE:

The purpose of this bid invitation is to establish a contract in the form of a purchase order for supplying the State of New Hampshire, Department of Environmental Services with a *TRUCK UTILITY BODY WITH CRANE*, in accordance with the requirements of this bid invitation and any resulting order. Said equipment to be delivered and installed at the delivery/installation location indicated.

SPECIFICATION COMPLIANCE:

Bidders offer must meet the specifications as written.

Unless otherwise specified by the Bureau of Purchase and Property in this bid invitation document, all equipment offered by the bidder must be new; shall not be used, rebuilt, refurbished; shall not have been used as demonstration equipment, and shall not have been placed anywhere for evaluation purposes.

INSTALLATION REQUIREMENTS:

Successful bidder shall be required to supply, deliver, uncrate, set into place, make all of the final connections, start-up and test all of the equipment awarded.

Prior to award, the successful bidder shall be required to submit a Certificate of Insurance as proof of general comprehensive liability insurance.

SITE VISITATION:

Prior to bidding, it is each bidder's responsibility to be thoroughly familiar with the site of the intended installation, to determine everything necessary to accomplish the installation.

Call DAVID VORRON at 603/528-6746 to make an appointment to view the intended installation.

VENDOR CERTIFICATIONS

All bidders must be duly registered as a vendor authorized to conduct business in the State of New Hampshire.

STATE OF NEW HAMPSHIRE VENDOR APPLICATION.

Bidders must have a completed Vendor Application and W-9 Form on file with the NH Bureau of Purchase and Property. See the following website for information on obtaining and filing the required forms (no fee):
<http://www.admin.state.nh.us/purchasing>

NEW HAMPSHIRE SECRETARY OF STATE REGISTRATION

A person or persons conducting business under any name other than his/her own legal name must register with the NH Secretary of State. Businesses are classified as 'Domestic' (in-state) or 'Foreign' (out-of-state). Please visit the following website to find out more about the requirements and filing fees for both classifications: <http://www.nh.gov/sos/corporate>

BID PRICES:

Bid prices shall include all equipment (with all of the options and accessories that may be required by the specifications), cables, cords, all hardware and supplies necessary for installation, warranty, delivery, installation and all other costs. Bid prices should be government and/or educationally discounted prices.

SUCCESSFUL BIDDER SHALL PICK UP AT THE PICK UP/DELIVERY POINT, A FORD F-450 CAB WITH 84" CAB TO AXLE CHASSIS, INSTALL THE UTILITY BODY AND CRANE PER THE BID SPECIFICATIONS AND RETURN THE VEHICLE AFTER THE INSTALLATION IS COMPLETED.

PICK-UP AND DELIVERY POINT:

NHDES-WINNIPESAUKEE RIVER BASIN
MAINTENANCE SECTION
202 WATER STREET
LACONIA NH 03246

REQUISITION NO.: 208203

OFFER:

<u>QTY</u>	<u>UNIT</u>	<u>DESCRIPTION</u>	<u>INSTALLED PRICE</u>
1	EACH	NEW, UTILITY TRUCK BODY AND CRANE AS PER THE FOLLOWING MINIMUM SPECIFICATIONS	\$ _____

UTILITY TRUCK - Make and model _____
Bidder to submit detailed manufacturers specifications/literature

CRANE - Make and model _____
Bidder to submit detailed manufacturers specifications/literature

DELIVERY AND INSTALLATION TIME:

The successful bidder hereby agrees to accomplish delivery / installation of any item awarded within _____ days after notification that the truck cab and chassis is at the pick-up and delivery location.

The body and crane specifications below are meant to be mounted on a Ford F 450 Cab & Chassis with a Cab to Axle ratio of 84 ".

Date: April 13, 2004

BODY

Capacity

Body shall be capable of handling up to a 38,400 ft-lbs of crane moment load in all positions of rotation.

Shall be stable with full-load crane with rear outriggers fully deployed when mounted on adequate chassis as specified below.

No **front outriggers** required for stability.

Specifications & Standards

Overall Dimensions (L x W x H) 133" x 94" 46.33

Inside vertical compartment height: 46.13" for 46" tall body

Inside compartment depth: 21.14"

Weight (approximate) 3,050 lb.

Minimum **truck chassis** 11,400 lbs. GVWR, 34" frame rail width and heavy-duty reinforced frame.

126.55 cu. Ft. Compartment storage space

Cargo Area

49.63" **floor width** (without wheel wells)

11-ga. A40 galvanneal tread plate for:

One piece floor

Bulkhead plate

Sides with integral compartment tops

Tie Downs

6 Heavy-duty tie downs

900-lbs rating each

Drip rail

Full body length with integral gutter

Door hinges & pins

Internal, stainless steel adjustable hinges

Door latches

Compression style T-handle with adjustable cam

Black powder coated / black housing

Low profile design with large gripping surface

Stainless steel spring loaded padlock eye

Compression mechanism to be supported by a roller bearing for smooth actuation

Tamper resistant locking mechanism

Double-sided key

Individual body keying

Door retainers

Adjustable spring loaded assemblies
Zinc plated components

Door frame gaskets

80-durometer sponge and solid rubber
Bulge size .62" wide x .75" tall
Withstand 1 1/2 ft-lbs impact @ -20° F
Heat resistant to 150° F minimum
Self extinguishing
Pass Federal Spec FSS-302

Tailgate

Pickup style, double paneled
14-ga. A40 galvanized steel outer panel
10-ga. A40 galvanized steel inner panel
Paddle latch-chrome plated
Zinc plated internal latch mechanism

Grab handles

2 heavy duty with chrome plated finish

Marker Lights

2-diode LED
Amber colored color for front of body
Red colored for rear of body
Must meet all federal lighting requirements

Stop, Turn & Tail Lights

Flush Mounted, 4" round, 7-diode LED
Must meet all federal lighting requirements

Back Up Lights

Flush mounted, 4" round, white
Must meet all federal lighting requirements

Fender Area

Fender area must be molded high impact ABS

Primer / Paint

Shall be primed inside and outside with universal weathering
polyurethane primer.
Body shall have full undercoat

Color

Shall be Ford Color # ~~44S53 School Bus Yellow~~ ^{71 White}

Structural Requirement

Body shall have integrated support structure capable of handling the rated moment load in all positions without permanent deflection.

Continues longitudinal frame with:

- C 6"x 8.2 lb. structural steel

Structural cross sills consisting of:

- 6"x4"x .25 tubing & 6"x2"x.18 tubing

Compartment beneath crane is to be unobstructed by structural reinforcement.

Crane reinforcement shall be constructed of .38 formed steel plates with .50 minimum steel plate for compartment top beneath crane.

Body sheet metal shall be A40-galvanneal steel with a minimum of:

- 10-ga., formed one-piece continues sides with integral ends.
- 11-ga., tread plate on all sides of cargo area and top of compartments. (Ref. Cargo Area above.)
- 14-ga., door frames with integral compartment dividers.

Door-double paneled, A40-galvannealed steel:

- 10-ga. For outer panels
- 14-ga. Formed for inner panels
- Door shall be able to be opened and closed under load without loss of sealing characteristics.

Crane boom support

- Adjustable to stowed boom angle.

Bumper**12" Type with:**

- 10-ga. A40-galvanneal steel top plate.
- Adhesive-backed skid tapes for slip resistance.
- Integral full body-with step with galvanized steel open tread floor grating.
- Pintle hitch with 30,000 lb. maximum trailer weight, 6,000 lb. maximum vertical load.

Outriggers**Full Manual activation with:**

- Telescopic leg in/out for crane side of body.
- Fixed leg for the non-crane side of body.
- Hand crank up/down for both legs.

Optional Features

- Shelving package consisting of 11 adjustable shelves, 1 shelf with small parts dividers, 1 shelf with book dividers & 3 material hooks

Warranty**Manufacture shall provide:**

- A five-year limited body warranty against rust-thru from date of delivery.
- A two-year limited warranty against defects in materials and workmanship from date of delivery for items not in the 5-year policy.

The body and crane are to be supplied by the same manufacture.

When the installation of the body and crane are complete, the truck body is to be level and parallel with the ground on the Cab & Chassis. Any additional springing required to level the body on the chassis will be the responsibility of the vendor installing the body and crane.

Crane Specifications

5005EH Telescopic Boom

Capacity (Measured from the Center of Rotation)

- 5,000 lbs. @ 5 ft.
- 4,167 lbs. @ 6 ft.
- 3,125 lbs. @ 8 ft.
- 2,500 lbs. @ 10 ft.
- 2,083 lbs. @ 12 ft.
- 1,785 lbs. @ 14 ft.
- 1,562 lbs. @ 16 ft.
- 1,388 lbs. @ 18 ft.
- 1,250 lbs. @ 20 ft.

Specifications & Standards

Overall Dimensions

- 146" x 22 1/2" x 35 1/8"

Weight

- Crane shall not exceed 1,330 lbs.

Paint

- Auto Crane White

Compliance

- Crane shall comply with ANSI B30.5 standard and OSHA regulations concerning crawler locomotives and truck cranes. (OSHA Title 29, CFR Part 1910.180 (C) (1).

Minimum truck chassis requirements

- 14,500 lb. GVWR
- 300,000 in-lbs. RBM

Alternator

- 75 amp minimum

Auxiliary Batteries

- Dual batteries
- Deep cycle , maintenance type with:
- 575 cold cranking amps minimum
- 130 minutes reserve minimum
- 22-feet of high current battery cable.

DC Power Unit

Electro-hydraulic system consisting of an electric motor driving a hydraulic pump which provides fluid power to:

- Boom lift / lower
- Boom extension / retraction
- Rotation

Electric Motor

- 24 Volt Dc series wound

Hydraulics

- Gear pump, .97 cu. In/rev displacement
- 1.5-gal. nominal capacity reservoir

System

- Set full by-pass relief @ 2,500psi.
- Output: 1.6 gpm. min. @ 2,000 150 amps. Max.

Boom – Lift

Hydraulic actuated

- Lift angle from -5° to 75°

Lift Cylinder

- Double acting for smooth boom operation
- Counterbalanced valve incorporated to prevent unintentional boom dropping in the event of hose failure.

Load sensing in lift circuit

- Pressure switch type sensing (**Audible sensors are not acceptable**)
- In an overload condition, disable **only** hoist up, boom extend and boom down functions. All other functions shall remain operable.

Boom Extension

Extension cylinder

- Shall be hydraulic actuated from 10 ft. to 16 ft.
- Trunnion shall be mounted inside boom to protect it from external damage.
- Cylinder shall be double acting for smooth operation
- Boom extension cylinder system shall incorporate counterbalance valve to prevent unintentional boom retraction in the event of a hose failure.
- Boom extension shall also include 4 ft. manual extension.
- Total boom length extended shall be 20ft.

Hoist

Motor

- Shall be 24 volt DC series wound, 2.5 HP, heavy duty.

Actuator

- Must have industrial grade gear box with worm brake.

Gear Box

- Shall have 46:1 worm gear reduction with 7.8:1 spur gear reduction.
- **A consumer grade winch with permanent magnet motor is not acceptable.**
- Rated @ 2,500 lbs. last layer capacity.

Line Speed

- 36 ft./min. (single line) with no load & 12 ft./min. with 2,500 lb. load.

Standard Cable

- Shall be 80 ft. in length, 5/16" diameter aircraft cable with 9,800lb. **breaking strength** in compliance to ANSI standards.

Sheaves

- Shall be anti-friction, high strength polymer with maintenance free, sealed needle bearings.

Anti-two-block Preventer

- Shall be a bail type to reduce crown to hook distance. **(Hanging block two-block sensor is not acceptable)**
- Shall when activated, disable hoist up, boom down and extend out functions.
- Shall be located on the left side of the boom to protect it from tree limbs, etc. while traveling.
- Cable shall be contained in a high impact plastic case with a spring loaded cable reel.

Swivel Block

- Shall be heavy-duty type with hook and latch.
- Shall have provisions for double line string up.

Rotation

370° Non-continuous rotation

- Shall have 60:1 worm gear set.
- Shall have provisions for adjusting backlash between worm & gear. **(Non-adjustable gear set is not acceptable.)**
- Turntable style slew bearings.
- Shall have a cycle speed of 60 seconds under no load conditions.

Hydraulic Valve System

- Shall have bang-bang controls with manual overrides
- **See more information under DC Power unit.**

Control System

Handheld remote

- Shall have handheld remote control to operate crane functions.
- Pendant shall be 24-ft. long attachable tethered cord with quarter-turn connector.
- The quarter-turn connector shall be weather resistant, with switches sealed by individual rubber boots.
- Shall allow all operations of the crane.

Crane boom support

- Adjustable to stowed boom angle.

Outriggers

- See specifications above under Titan 38 Service Body Specs.

Warranty

- The manufacture shall provide a **two-year limited warranty** against defects in material and workmanship from the date of delivery.

Rear outriggers shall be installed to increase stability and reduce the load on the truck springs while lifting.

The body and crane are to be of the same manufacture, installed by the same vendor with a two (2) year warranty on all materials and workmanship provided by the vendor and manufacture. In the case of the manufacture leaving the state all warranty shall fall on the vendor.

When the installation of the body and crane are complete, the truck body is to be level and parallel with the ground on the Cab & Chassis. Any additional springing required to level the body on the chassis will be the responsibility of the vendor installing the body and crane.